BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: Modified Improvements and Construction of CC Roads and Drainage Works Bhuvaneshwari nagara 1st Main 1st, 2nd, 3rd & 4th cross Muneshwara Badavane Shivaraj house in Back side of Market in Dasarahalli ward No:15

			Est. Cost Rs				40.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1 .Earthwork excavation by manual means in ordinary soil involving an avegage horizontal throw up to 2 meters and an average lift up to 0.5 m, excavated surface leveled and sides neatly dressed the diposed earth to be levelled neatly after breaking of clods complete as per specifications .MORTH/Chapter 3 (Page No-141 I.No-19.1 of KPWD S.R 2016 17)								
		Cum	2	10.50	0.60	0.60	7.50		
			2	280.00	0.50	0.50	140.00		
			4	30.00	0.50	0.60	36.00		
			2	105.00	0.50	0.60	63.00		
			2	15.00	0.60	0.63	11.36		
			2	37.00	0.60	0.60	26.64		
	Rate: 86.92-15.59%=73.37/cum						284.50	73.37	20873.00
2	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of Machinery, screed Vibratory, Power Floater, blade and disc etc., with all lead and lift Page No. 178/ Item No.22.7/ PWD SR 2016-17								
			1	9.40	6.30		59.22		
			1	280.00	3.80		1064.00		
			2	30.00	4.10		246.00		
			1	65.00	7.00		455.00		
			1	30.00	9.80		294.00		
			1	15.00	9.00		135.00		
			1	37.00	5.10		188.70		
	Rate: 95.40-15.59%=80.53/sqm						2441.92	80.53	196648.00
3	Providing Concrete Groove cutting for width of 5mm to 10mm and depth 80mm100mm including cost of cutting machine generator & HOM of machinery, including cost of blade coolant etc., including cleaning of groove & Providing sand and hot bitumen fillars, and fillars metal etc., including cost of conveyance of all materials, labour lead and lift charges and all other incidental charges as per drawing and as per specifications. Page No. 178/ Item No.22.8/ PWD SR 2016-17								
		Rmt	1	6.30			6.30		
			18	3.90			70.20		
			4	4.20			16.80		
			7	7.00			49.00		
			1	9.00			9.00		
			2	5.10			10.20		
	Rate: 121.90-15.59%=102.90/sqm						161.50	102.90	16618.00

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB-2-2.2: **Earthwork excavation** for foundation of buildings, water supply, sanitary, lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5m. in depth including dressing the bottom and and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) 2.3.5 Page No. 5/ Item No. 2.4/								
			1	10.50	0.90	0.15	1.42		
			1	280.00	0.90	0.15	37.80		
			2	30.00	0.90	0.15	8.10		
			1	105.00	0.90	0.15	14.18		
			1	15.00	0.90	0.15	2.03		
			1	37.00	0.90	0.15	5.00		
	culvert		1	6.30	2.00	0.68	8.58		
	Rate: Tendered rate as per Schedul B						**77.09**	234.87	**18107.00**
5	Removing B.S.Slab of drain and stacking etc., complete Page No. 25/ Item No. 5.32/ PWD SR 2015-16								
		Sqm	2	9.40	0.90		16.92		
			2	280.00	0.90		504.00		
			2	105.00	0.90		189.00		
			2	15.00	0.90		27.00		
			2	37.00	0.90		66.60		
							803.52		
					Total Qty		**803.52**		
	Rate: Tendered rate as per Schedul B				Qty upto 125%		**33.75**	51.90	**1752.00**
	Rate: 65.72-15.59%=55.47				Qty above 125%		**769.77**	**55.47**	**42699.00**
6	Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 25/ Item No.5.33/ PWD SR 2015-16								
		Sqm	**Qty Vide Iteam No 2**				**803.52**		
					Total Qty		**803.52**		
	Rate: Tendered rate as per Schedul B				Qty upto 125%		**20.25**	64.22	**1300.00**
	Rate: 80.56-15.59%=68.00/sqm				Qty above 125%		**783.27**	68.00	**53262.00**
7	KSRB 4-1.3: Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2015-16)								
			2	30.00	0.90	0.15	8.10		
			1	280.00	0.90	0.15	37.80		
			2	30.00	0.90	0.15	8.10		
			1	105.00	0.90	0.15	14.18		
			1	15.00	0.90	0.15	2.03		
			1	37.00	0.90	0.15	5.00		
			1	6.30	2.00	0.15	1.89		
	Rate: Tendered rate as per Schedul B						77.085	4130.00	318361.00

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB M600-2. Cement Concrete Pavement :- Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement design mix M30 at 360 kg per cum, with 25mm and down size graded granite metal coarse aggregate at 0.69 cum and fine aggregates @ 0.46 cum with superplastizer at 3lts conforming to IS 9103-1999 reaffirmed 2008. coarse and fine aggregate conforming to IS:383, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing, compound, finishing to lines and grades as per drawing complete as per specifications.(Page No: 173, itNo: 22.2.1)								
			1	10.50	6.30	0.15	9.92		
			1	280.00	4.00	0.15	168.00		
			2	30.00	5.25	0.15	47.25		
			1	105.00	7.00	0.15	110.25		
			1	15.00	10.00	0.15	22.50		
			1	6.90	9.00	0.15	8.98		
			1	37.00	6.00	0.15	33.30		
	Rate: Tendered rate as per Schedul B						400.20	5655.33	2263277.00
9	KSRB-4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost all materials, labour, HOM of machinery, curing complete as per specifications.(Page No: 1, it:4.5)								
			2	6.30	0.15	0.75	1.42		
			1	6.30	2.00	0.30	3.78		
	Rate: Tendered rate as per Schedul B						5.1975	4880.35	25366.00
10	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specifications.(Page No: 15, itno: 4.30)								
		Sqm	2x2	6.30		0.90	22.68		
	Rate: Tendered rate as per Schedul B						22.68	328.99	7461.00
11	KSRB 4.9.2: Providing T.M.T. steel reinforcement for R.C.C. work including straightening cutting, bending, hooking, placing in position, lapping and (or welding wherever required, trying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page-17, itNo: 4.46.3)								
		Kgs	1	400.20		35.00	14007.09		
			1	5.198		50.00	259.88		
		Tonne					14266.96		
	Rate: Tendered rate as per Schedul B					Say	14.2670	57430.36	819357.00
12	Supplying and fixing precast rainforced concrete slab 10cm thick including cost of reinforcement as pwe design and drawing materials cost, tranportion hire charges of machinary, machine cutting the verticale face to get plain even surface ctc. Complete with all leads and lift convetyenc charges labour charges inclusive cost of all materials								
		Sqm	180	0.90	0.60		97.20		

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
					Total Qty		97.20		
	Rate: Tendered rate as per Schedul B				Qty upto 125%		45.00	1303.20	58644.00
					Qty above 125%		52.20	1350.56	70499.00
13	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading (Page 136 table) Page No. 133 Item No. 17.1 PWD SR 2015-16								
	Qnty vide itNo:1	Cum			Total Qty		361.585		
	Rate: Tendered rate as per Schedul B				Qty upto 125%		272.875	63.73	17390.00
	Rate: 80.80-15.59%=80.53/sqm				Qty above 125%		88.71	68.20	6050.00
14	QC & Other Charges								60000.00
15	Miscellaneous and UnforessenCharges								2356.00
								Total	4000000.00

(Rupees.Forty Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2015-16
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-15

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara
Dasarahalli Division, Bangalore-73.

ನಂ. CE/TS/151/16-17 ದಿನಾಂಕ : 17/03/2017
ರೂ. ನಲವತ್ತು ಲಕ್ಷಗಳು ಮಾತ್ರ
Rs Fourty Lakh only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.